chain nodes :
    8   10   21   23
ring nodes :
    1   2   3   4   5   6   11   12   13   14   15   16   17   18   19   20
chain bonds :
    4-8   5-10   6-23   10-13   10-21
ring bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   11-12   11-16   12-13   13-14   14-15   14-17   15-16   15-20   17-18
    18-19   19-20
exact/norm bonds :
    4-8   10-21
exact bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   5-10   6-23   10-13
normalized bonds :
    11-12   11-16   12-13   13-14   14-15   14-17   15-16   15-20   17-18   18-19   19-20
isolated ring systems :
    containing 1 : 11 :

G1:O,S

Match level :
    1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 10:CLASS 11:Atom 12:Atom
    13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS 23:CLASS

```
* * * * * * * * * *   Welcome to STN International   * * * * * * * * * * *

NEWS  1             Web Page URLs for STN Seminar Schedule - N. America
NEWS  2             "Ask CAS" for self-help around the clock
NEWS  3    JAN 27   Source of Registration (SR) information in REGISTRY updated
                    and searchable
NEWS  4    JAN 27   A new search aid, the Company Name Thesaurus, available in
                    CA/CAplus
NEWS  5    FEB 05   German (DE) application and patent publication number format
                    changes
NEWS  6    MAR 03   MEDLINE and LMEDLINE reloaded
NEWS  7    MAR 03   MEDLINE file segment of TOXCENTER reloaded
NEWS  8    MAR 03   FRANCEPAT now available on STN
NEWS  9    MAR 29   Pharmaceutical Substances (PS) now available on STN
NEWS 10    MAR 29   WPIFV now available on STN
NEWS 11    MAR 29   No connect hour charges in WPIFV until May 1, 2004
NEWS 12    MAR 29   New monthly current-awareness alert (SDI) frequency in RAPRA


NEWS EXPRESS    MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
                MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS      STN Operating Hours Plus Help Desk Availability
NEWS INTER      General Internet Information
NEWS LOGIN      Welcome Banner and News Items
NEWS PHONE      Direct Dial and Telecommunication Network Access to STN
NEWS WWW        CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

    * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * * *




FILE 'HOME' ENTERED AT 19:04:03 ON 14 APR 2004

=> file reg
COST IN U.S. DOLLARS                           SINCE FILE      TOTAL
                                                 ENTRY        SESSION
FULL ESTIMATED COST                               0.21          0.21

FILE 'REGISTRY' ENTERED AT 19:04:09 ON 14 APR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   13 APR 2004   HIGHEST RN 675103-21-6
DICTIONARY FILE UPDATES:  13 APR 2004   HIGHEST RN 675103-21-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004
```

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
L1   STRUCTURE UPLOADED
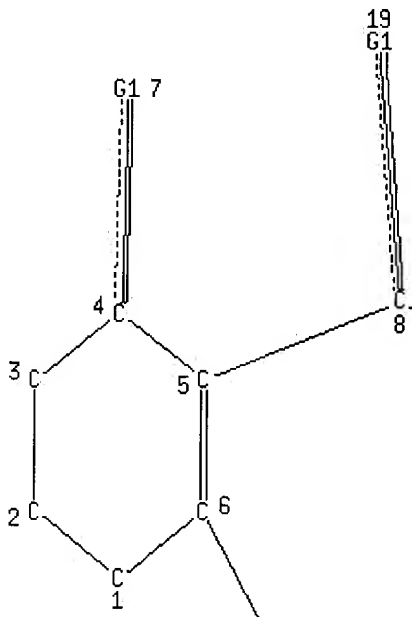
=> l1
L1 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
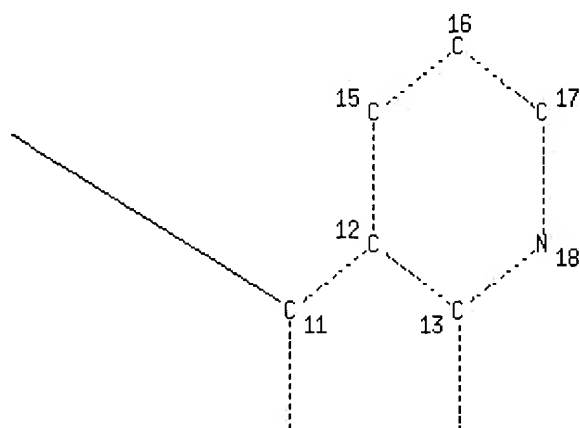"HELP COMMANDS" at an arrow prompt (=>).

=> d l1
L1 HAS NO ANSWERS
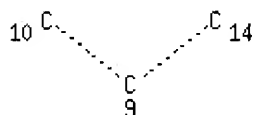L1   STR
 0 21 S 22

Page 1-A

Page 1-B

Page 2-A

Page 2-B
VAR G1=21/22
NODE ATTRIBUTES:
NSPEC   IS R   AT   1
NSPEC   IS R   AT   2
NSPEC   IS R   AT   3
NSPEC   IS R   AT   4
NSPEC   IS R   AT   5
NSPEC   IS R   AT   6
NSPEC   IS C   AT   7
NSPEC   IS C   AT   8
NSPEC   IS R   AT   9
NSPEC   IS R   AT   10
NSPEC   IS R   AT   11
NSPEC   IS R   AT   12
NSPEC   IS R   AT   13
NSPEC   IS R   AT   14
NSPEC   IS R   AT   15
NSPEC   IS R   AT   16
NSPEC   IS R   AT   17
NSPEC   IS R   AT   18
NSPEC   IS C   AT   19
NSPEC   IS C   AT   20
DEFAULT MLEVEL IS ATOM
MLEVEL   IS CLASS AT   8 20 21 22
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

=> s 11
SAMPLE SEARCH INITIATED 19:05:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   0 TO ITERATE

```
100.0% PROCESSED        0 ITERATIONS                           0 ANSWERS
SEARCH TIME: 00.00.01


FULL FILE PROJECTIONS:   ONLINE  **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS:              0 TO        0
PROJECTED ANSWERS:                 0 TO        0


L2              0 SEA SSS SAM L1

=> s l1 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 19:05:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     17 TO ITERATE


100.0% PROCESSED       17 ITERATIONS                          14 ANSWERS
SEARCH TIME: 00.00.01


L3             14 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                  ENTRY      SESSION
FULL ESTIMATED COST                             156.26       156.47


FILE 'HCAPLUS' ENTERED AT 19:06:02 ON 14 APR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
```

```
FILE COVERS 1907 - 14 Apr 2004   VOL 140 ISS 16
FILE LAST UPDATED: 13 Apr 2004   (20040413/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.


=> s l3
L4              1 L3

=> d l4, ibib abs fhitstr, 1


L4    ANSWER 1 OF 1   HCAPLUS   COPYRIGHT 2004 ACS on STN
```

```
Full        Citing
Text       References
```

```
ACCESSION NUMBER:          2000:175796   HCAPLUS
DOCUMENT NUMBER:           132:207770
```

TITLE: Preparation of oxocyclohexenoylquinolines as
                    herbicides.
INVENTOR(S):   Witschel, Matthias; Misslitz, Ulf; Baumann, Ernst; Von
                    Deyn, Wolfgang; Langemann, Klaus; Mayer, Guido;
                    Neidlein, Ulf; Gotz, Roland; Gotz, Norbert; Rack,
                    Michael; Engel, Stefan; Otten, Martina; Westphalen,
                    Karl-Otto; Walter, Helmut
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
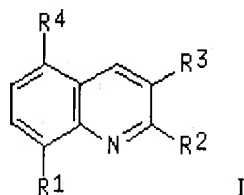SOURCE: PCT Int. Appl., 100 pp.
                    CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

```
     PATENT NO.        KIND  DATE         APPLICATION NO.  DATE
     --------------    ----  --------     ---------------  --------
     WO 2000014069      A1   20000316     WO 1999-EP6322   19990827
         W:  AL, AU, BG, BR, BY, CA, CN, CZ, GE, HR, HU, ID, IL, IN, JP, KR,
             KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US,
             VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE
     CA 2343144         AA   20000316     CA 1999-2343144  19990827
     AU 9957425         A1   20000327     AU 1999-57425    19990827
     EP 1112256         A1   20010704     EP 1999-944541   19990827
     EP 1112256         B1   20031029
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     JP 2002524448      T2   20020806     JP 2000-568828   19990827
PRIORITY APPLN. INFO.:                    DE 1998-19840799 A  19980908
                                          WO 1999-EP6322   W  19990827
OTHER SOURCE(S):      MARPAT 132:207770
GI
```


AB   Title compds. [I; R1 = H, NO2, halo, cyano, alkyl, haloalkyl,
      alkoxyiminomethyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio,
      alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl, haloalkylsulfonyl,
      (substituted) aminosulfonyl, sulfonylamino, PhO, heterocyclyloxy, PhS,
      heterocyclylthio; R2, R3 = H, alkyl, haloalkyl, halo; R4 = substituted
      (3-oxo-1-cyclohexen-2-yl)carbonyl, (1,3-dioxo-2-cyclohexyl)methylidene],
      were prepd. Thus, 2-(8-chloroquinolin-5-yl)carbonyl-4,4,6,6-
      tetramethylcyclohexan-1,3,5-trione in CH2Cl2 was treated with (COCl)2 and
      DMF followed by 1.5 h stirring to give 2-[(8-chloroquinolin-5-yl)carbonyl]-
      1-chloro-4,4,6,6-tetramethylcyclohex-1-en-1,3,5-trione and
      2-(8-chloroquinolin-5-yl)chloromethylidene-4,4,6,6-tetramethylcyclohexan-
      1,3,5-trione. Several I at 0.125-0.25 kg/ha postemergent showed very good
   activity against Setaria faberi, Setaria viridis, and Solanum nigrum.
IT 260795-46-8P
      RL: AGR (Agricultural use); BAC (Biological activity or effector, except
      adverse); BSU (Biological study, unclassified); SPN (Synthetic

preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of oxocyclohexenoylquinolines as herbicides)
RN 260795-46-8 HCAPLUS
CN 4-Cyclohexene-1,3-dione, 5-chloro-4-[(8-chloro-5-quinolinyl)carbonyl]-
2,2,6,6-tetramethyl- (9CI) (CA INDEX NAME)
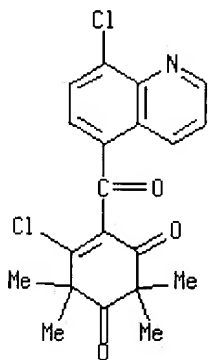
REFERENCE COUNT: 4   THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
FULL ESTIMATED COST   7.12   163.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
CA SUBSCRIBER PRICE   -0.69   -0.69

FILE 'CAOLD' ENTERED AT 19:06:29 ON 14 APR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification. Title keywords, authors, patent
   assignees, and patent information, e.g., patent numbers, are
   now searchable from 1907-1966. TIFF images of CA abstracts
   printed between 1907-1966 are available in the PAGE
   display formats.

   This file supports REG1stRY for direct browsing and searching of
   all substance data from the REGISTRY file. Enter HELP FIRST for
   more information.

=> d his

      (FILE 'HOME' ENTERED AT 19:04:03 ON 14 APR 2004)

      FILE 'REGISTRY' ENTERED AT 19:04:09 ON 14 APR 2004
L1   STRUCTURE UPLOADED
L2   0 S L1
L3   14 S L1 FULL

```
        FILE 'HCAPLUS' ENTERED AT 19:06:02 ON 14 APR 2004
L4              1 S L3

        FILE 'CAOLD' ENTERED AT 19:06:29 ON 14 APR 2004

=> s l3
L5              0 L3

=> log y
```

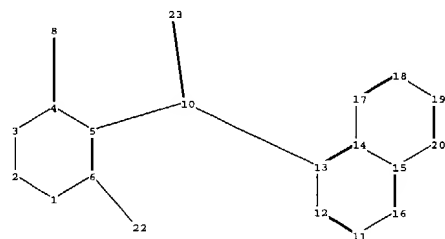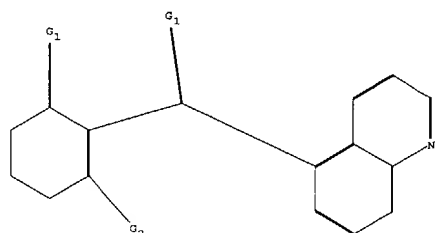| COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	164.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.69

```
STN INTERNATIONAL LOGOFF AT 19:06:36 ON 14 APR 2004
```

chain nodes :
    8   10   22   23
ring nodes :
    1 2 3   4   5   6   11   12   13   14   15   16   17   18   19   20
chain bonds :
    4-8   5-10   6-22   10-13   10-23
ring bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   11-12   11-16   12-13   13-14   14-15   14-17   15-16   15-20   17-18
    18-19   19-20
exact/norm bonds :
    4-8   6-22   10-23
exact bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   5-10   10-13
normalized bonds :
    11-12   11-16   12-13   13-14   14-15   14-17   15-16   15-20   17-18   18-19   19-20
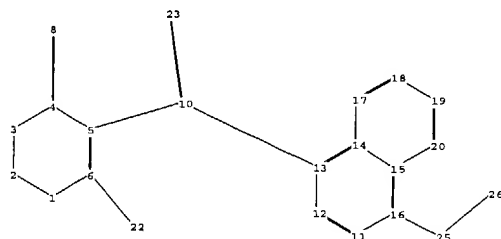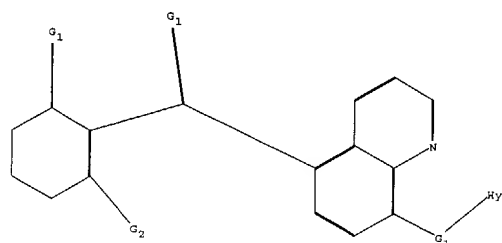isolated ring systems :
    containing 1 : 11 :

G1:O,S

G2:O,S,N

Match level :
    1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 10:CLASS 11:Atom 12:Atom
    13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 22:CLASS 23:CLASS

chain nodes :
    8   10   22   23   25   26
ring nodes :
    1   2   3   4   5   6   11   12   13   14   15   16   17   18   19   20
chain bonds :
    4-8   5-10   6-22   10-13   10-23   16-25   25-26
ring bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   11-12   11-16   12-13   13-14   14-15   14-17   15-16   15-20   17-18
    18-19   19-20
exact/norm bonds :
    4-8   6-22   10-23   16-25   25-26
exact bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   5-10   10-13
normalized bonds :
    11-12   11-16   12-13   13-14   14-15   14-17   15-16   15-20   17-18   18-19   19-20
isolated ring systems :
    containing 1 : 11 :

G1:O,S

G2:O,S,N

Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   8:CLASS   10:CLASS   11:Atom   12:Atom
    13:Atom   14:Atom   15:Atom   16:Atom   17:Atom   18:Atom   19:Atom   20:Atom   22:CLASS   23:CLASS
    25:CLASS   26:Atom

```
* * * * * * * * *   Welcome to STN International   * * * * * * * * * *
```

NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
NEWS 2   "Ask CAS" for self-help around the clock
NEWS 3   JAN 27 Source of Registration (SR) information in REGISTRY updated
                  and searchable
NEWS 4   JAN 27 A new search aid, the Company Name Thesaurus, available in
                  CA/CAplus
NEWS 5   FEB 05 German (DE) application and patent publication number format
                  changes
NEWS 6   MAR 03 MEDLINE and LMEDLINE reloaded
NEWS 7   MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8   MAR 03 FRANCEPAT now available on STN
NEWS 9   MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10   MAR 29 WPIFV now available on STN
NEWS 11   MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 12   MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA

NEWS EXPRESS   MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS INTER   General Internet Information
NEWS LOGIN   Welcome Banner and News Items
NEWS PHONE   Direct Dial and Telecommunication Network Access to STN
NEWS WWW   CAS World Wide Web Site (general information)
```

Enter NEWS followed by the item number or name to see news on that
specific topic.

```
  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.


  * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * * *
```

FILE 'HOME' ENTERED AT 10:06:21 ON 14 APR 2004

```
=> file reg
COST IN U.S. DOLLARS                         SINCE FILE        TOTAL
                                               ENTRY         SESSION
FULL ESTIMATED COST                             0.21           0.21
```

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 13 APR 2004   HIGHEST RN 675103-21-6
DICTIONARY FILE UPDATES: 13 APR 2004   HIGHEST RN 675103-21-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

```
=>
L1          STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1                    STR
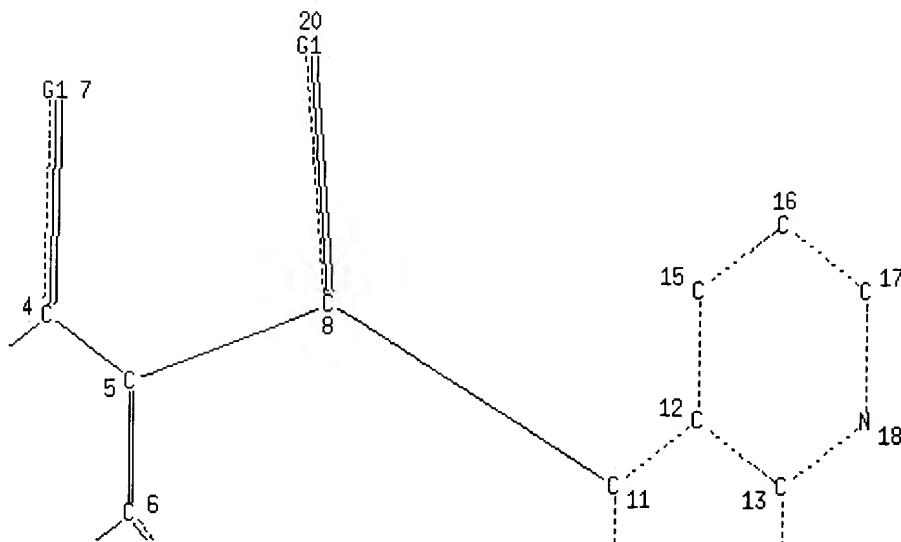  0 23 S 24 N 25


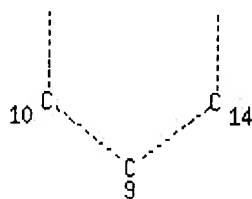  0 21 S 22
```

Page 1-A

Page 1-B

Page 2-A

Page 2-B
VAR G1=21/22
VAR G2=23/24/25
NODE ATTRIBUTES:
NSPEC   IS R   AT   1
NSPEC   IS R   AT   2
NSPEC   IS R   AT   3
NSPEC   IS R   AT   4
NSPEC   IS R   AT   5
NSPEC   IS R   AT   6
NSPEC   IS C   AT   7
NSPEC   IS C   AT   8
NSPEC   IS R   AT   9
NSPEC   IS R   AT   10
NSPEC   IS R   AT   11
NSPEC   IS R   AT   12
NSPEC   IS R   AT   13
NSPEC   IS R   AT   14
NSPEC   IS R   AT   15
NSPEC   IS R   AT   16
NSPEC   IS R   AT   17
NSPEC   IS R   AT   18
NSPEC   IS C   AT   19
NSPEC   IS C   AT   20
DEFAULT MLEVEL IS ATOM
MLEVEL   IS CLASS AT   8 21 22 23 24 25
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

=> s l1
SAMPLE SEARCH INITIATED 10:09:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   7 TO ITERATE

100.0% PROCESSED   7 ITERATIONS   4 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 7 TO   298
PROJECTED ANSWERS: 4 TO   200

L2   4 SEA SSS SAM L1

```
=> s l1 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 10:09:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    139 TO ITERATE

100.0% PROCESSED     139 ITERATIONS                      81 ANSWERS
SEARCH TIME: 00.00.01

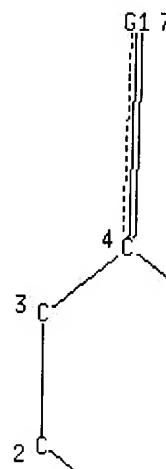L3             81 SEA SSS FUL L1

=>
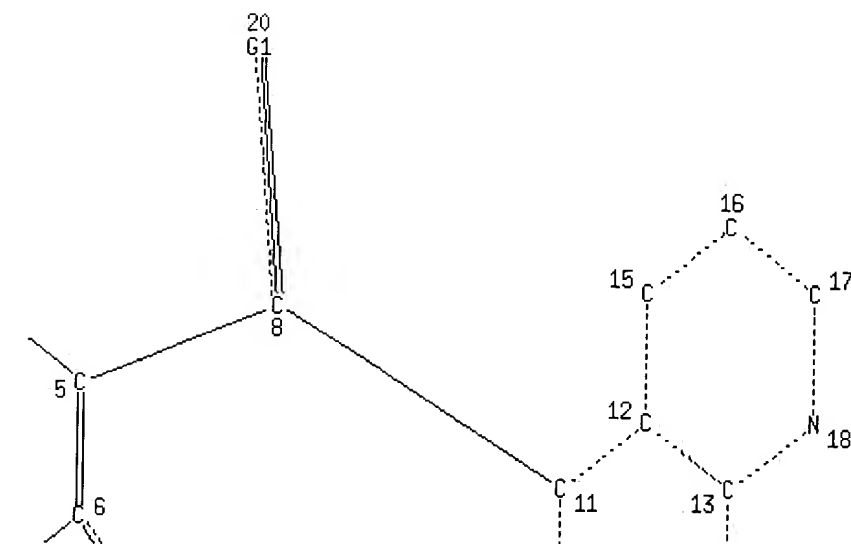L4        STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4                STR
 O 25 S 26 N 27


 O 23 S 24
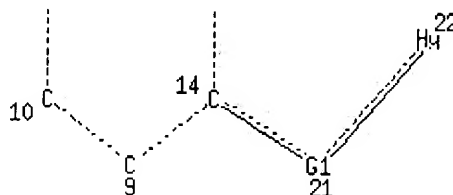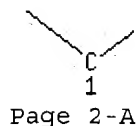```

Page 1-A

Page 1-B

Page 2-A



G2 19



Page 2-B
VAR G1=23/24
VAR G2=25/26/27
NODE ATTRIBUTES:
NSPEC    IS R      AT   1
NSPEC    IS R      AT   2
NSPEC    IS R      AT   3
NSPEC    IS R      AT   4
NSPEC    IS R      AT   5
NSPEC    IS R      AT   6
NSPEC    IS C      AT   7
NSPEC    IS C      AT   8
NSPEC    IS R      AT   9
NSPEC    IS R      AT  10
NSPEC    IS R      AT  11
NSPEC    IS R      AT  12
NSPEC    IS R      AT  13
NSPEC    IS R      AT  14
NSPEC    IS R      AT  15
NSPEC    IS R      AT  16
NSPEC    IS R      AT  17
NSPEC    IS R      AT  18
NSPEC    IS C      AT  19
NSPEC    IS C      AT  20
NSPEC    IS C      AT  21
NSPEC    IS C      AT  22
DEFAULT MLEVEL IS ATOM
MLEVEL   IS CLASS  AT    8 23 24 25 26 27
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS  27

STEREO ATTRIBUTES: NONE


=> s 14
SAMPLE SEARCH INITIATED 10:10:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      3 TO ITERATE

100.0% PROCESSED      3 ITERATIONS                        0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:             3 TO      163

```
PROJECTED ANSWERS:                  0 TO            0

L5                0 SEA SSS SAM L4

=> s l4 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 10:10:07 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     27 TO ITERATE

100.0% PROCESSED      27 ITERATIONS                         0 ANSWERS
SEARCH TIME: 00.00.01

L6                0 SEA SSS FUL L4

=> d his

        (FILE 'HOME' ENTERED AT 10:06:21 ON 14 APR 2004)

        FILE 'REGISTRY' ENTERED AT 10:06:27 ON 14 APR 2004
L1                STRUCTURE UPLOADED
L2            4 S L1
L3           81 S L1 FULL
L4                STRUCTURE UPLOADED
L5            0 S L4
L6            0 S L4 FULL

=> file hcaplus
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                          312.94        313.15

FILE 'HCAPLUS' ENTERED AT 10:10:46 ON 14 APR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
the American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 14 Apr 2004   VOL 140 ISS 16
FILE LAST UPDATED: 13 Apr 2004   (20040413/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.
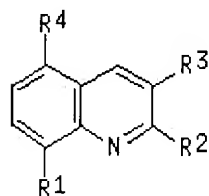

=> s l3
L7              2 L3

=> d l7, ibib abs fhitstr, 1-2
```

L7   ANSWER 1 OF 2   HCAPLUS   COPYRIGHT 2004 ACS on STN

Full Text   **Citing References**

ACCESSION NUMBER:	2000:175796 HCAPLUS
DOCUMENT NUMBER:	132:207770
TITLE:	Preparation of oxocyclohexenoylquinolines as herbicides.
INVENTOR(S):	Witschel, Matthias; Misslitz, Ulf; Baumann, Ernst; Von Deyn, Wolfgang; Langemann, Klaus; Mayer, Guido; Neidlein, Ulf; Gotz, Roland; Gotz, Norbert; Rack, Michael; Engel, Stefan; Otten, Martina; Westphalen, Karl-Otto; Walter, Helmut
PATENT ASSIGNEE(S):	Basf Aktiengesellschaft, Germany
SOURCE:	PCT Int. Appl., 100 pp.
	CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	German
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000014069	A1	20000316	WO 1999-EP6322	19990827

    W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HR, HU, ID, IL, IN, JP, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

    RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 2343144	AA	20000316	CA 1999-2343144	19990827
AU 9957425	A1	20000327	AU 1999-57425	19990827
EP 1112256	A1	20010704	EP 1999-944541	19990827
EP 1112256	B1	20031029		

    R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002524448	T2	20020806	JP 2000-568828	19990827

PRIORITY APPLN. INFO.:

	DE 1998-19840799	A	19980908
	WO 1999-EP6322	W	19990827

OTHER SOURCE(S):   MARPAT 132:207770
GI

    I

AB   Title compds. [I; R1 = H, NO2, halo, cyano, alkyl, haloalkyl, alkoxyiminomethyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl, haloalkylsulfonyl, (substituted) aminosulfonyl, sulfonylamino, PhO, heterocyclyloxy, PhS, heterocyclylthio; R2, R3 = H, alkyl, haloalkyl, halo; R4 = substituted (3-oxo-1-cyclohexen-2-yl)carbonyl, (1,3-dioxo-2-cyclohexyl)methylidene], were prepd. Thus, 2-(8-chloroquinolin-5-yl)carbonyl-4,4,6,6-tetramethylcyclohexan-1,3,5-trione in CH2Cl2 was treated with (COCl)2 and DMF followed by 1.5 h stirring to give 2-[(8-chloroquinolin-5-yl)carbonyl]-1-chloro-4,4,6,6-tetramethylcyclohex-1-en-1,3,5-trione and 2-(8-chloroquinolin-5-yl)chloromethylidene-4,4,6,6-tetramethylcyclohexan-

1,3,5-trione. Several I at 0.125-0.25 kg/ha postemergent showed very good
activity against Setaria faberi, Setaria viridis, and Solanum nigrum.

IT **260795-09-3P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except
adverse); BSU (Biological study, unclassified); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of oxocyclohexenoylquinolines as herbicides)
RN   260795-09-3 HCAPLUS
CN   4-Cyclohexene-1,3-dione, 5-(benzoyloxy)-4-[(8-fluoro-5-
quinolinyl)carbonyl]-2,2,6,6-tetramethyl- (9CI)   (CA INDEX NAME)

REFERENCE COUNT: 4   THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
                                     RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7   ANSWER 2 OF 2   HCAPLUS   COPYRIGHT 2004 ACS on STN

Full Text | Citing References

ACCESSION NUMBER:	1998:197489 HCAPLUS
DOCUMENT NUMBER:	128:243961
TITLE:	Preparation of heteroaroylcyclohexanediones as herbicides
INVENTOR(S):	Otten, Martina; Gotz, Norbert; Von Deyn, Wolfgang; Engel, Stefan; Kardorff, Uwe; Plath, Peter; Hill, Regina Luise; Witschel, Matthias; Misslitz, Ulf; Westphalen, Karl-Otto; Walter, Helmut
PATENT ASSIGNEE(S):	BASF Aktiengesellschaft, Germany; et al.
SOURCE:	PCT Int. Appl., 86 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	German
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9812180	A1	19980326	WO 1997-EP4894	19970909

W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, IL, JP, KR, KZ, LT, LV,
    MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, UZ, AM, AZ, BY,
    KG, KZ, MD, RU, TJ, TM
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19638486	A1	19980326	DE 1996-19638486	19960920
AU 9743833	A1	19980414	AU 1997-43833	19970909
AU 736395	B2	20010726		
EP 931070	A1	19990728	EP 1997-941998	19970909
EP 931070	B1	20030319		

R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, PT, LT, LV

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BR 9711407	A	19990817	BR 1997-11407	19970909

CN 1230951	A	19991006	CN 1997-198078	19970909
NZ 334547	A	20000929	NZ 1997-334547	19970909
JP 2001501924	T2	20010213	JP 1998-514242	19970909
AT 234817	E	20030415	AT 1997-941998	19970909
ZA 9708452	A	19990319	ZA 1997-8452	19970919
US 6479436	B1	20021112	US 1999-254973	19990317

PRIORITY APPLN. INFO.:

			DE 1996-19638486 A	19960920
			WO 1997-EP4894 W	19970909

OTHER SOURCE(S):   MARPAT 128:243961
GI

Copending
09254473

I   II

AB   Title compds. [I; R = COR3; R1,R2 = H, halo, alkyl, alkoxy, etc.; R3 = dioxocyclohexyl group II; R4,R5,R7,R9 = H or alkyl; R6 = H, (un)substituted (cyclo)alkyl, heterocyclyl, etc.; R8 = H, alkyl, alkoxycarbonyl; R6R9 = bond or alkylene; R6R7 = O; Z = substituted (N-oxido) CH:CHCH:N, -CH:CHN:CH, substituted CH:CHCH2NH, -CH:CHNHCH2, etc.] were prepd. as herbicides (no data). Thus, 1,3-cyclohexanedione was O-acylated by 8-bromo-5-quinolinecarboxylic acid (prepn. given) and the product rearranged to give 2-(8-bromo-5-quinolyl)carbonyl-1,3-cyclohexanedione.

IT **205045-89-2P**
    RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of heteroaroylcyclohexanediones as herbicides)

RN   205045-89-2 HCAPLUS
CN   2-Cyclohexen-1-one, 2-[(8-bromo-5-quinolinyl)carbonyl]-3-hydroxy-5,5-dimethyl- (9CI) (CA INDEX NAME)

REFERENCE COUNT: 2   THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

```
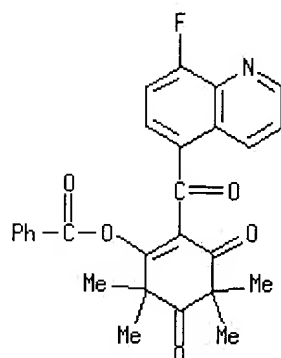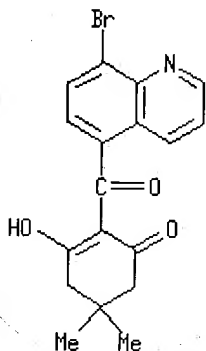        (FILE 'HOME' ENTERED AT 10:06:21 ON 14 APR 2004)
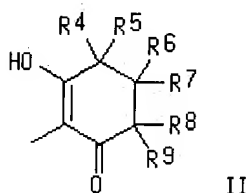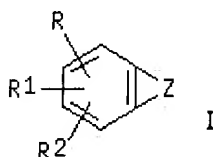
        FILE 'REGISTRY' ENTERED AT 10:06:27 ON 14 APR 2004
L1              STRUCTURE UPLOADED
L2          4 S L1
L3         81 S L1 FULL
L4              STRUCTURE UPLOADED
L5          0 S L4
L6          0 S L4 FULL


        FILE 'HCAPLUS' ENTERED AT 10:10:46 ON 14 APR 2004
L7          2 S L3

=> s l3/prep
            2 L3
      3134267 PREP/RL
L8          2 L3/PREP
              (L3 (L) PREP/RL)


=> file caold
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                           21.31        334.46


DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                              ENTRY        SESSION
CA SUBSCRIBER PRICE                           -1.39         -1.39

FILE 'CAOLD' ENTERED AT 10:13:54 ON 14 APR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.  Title keywords, authors, patent
  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

  This file supports REG1stRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

=> s l3
L9          0 L3

=> file beilstein
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                            0.42        334.88

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                              ENTRY        SESSION
CA SUBSCRIBER PRICE                            0.00         -1.39

FILE 'BEILSTEIN' ENTERED AT 10:14:02 ON 14 APR 2004
```

COPYRIGHT (c) 2004 Beilstein-Institut zur Foerderung der Chemischen Wissenschaften
licensed to Beilstein GmbH and MDL Information Systems GmbH

FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON MARCH 30,2004

FILE COVERS 1771 TO 2003.
 FILE CONTAINS 8,932,479 SUBSTANCES

>>> PLEASE NOTE: Reaction data and substance data are stored in
    separate documents and can not be searched together in one
    query.
    Reaction data for BEILSTEIN compounds may be displayed
    immediately with the display codes PRE (preparations) and REA
    (reactions). A substance answer set retrieved after the search
    for a chemical name, a molecular formula or a structure search
    for example can be restricted to compounds with available
    reaction information by concatenation with PRE/FA, REA/FA or
    more general with RX/FA. The BEILSTEIN Registry Number (BRN)
    is the link between a BEILSTEIN compound and belonging reactions.
    For more detailed reaction searches BRNs can be selected from
    substance answer sets and searched in the next step as reaction
    partner BRNs - Reactant (RX.RBRN) or Product BRN (RX.PBRN).
    After a search for reaction details substance documents
    associated with reactants or products may be retrieved by
    searching RX.PBRNs or RX.RBRNs as BRNs. <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

****
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.   *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE   *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE   *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.   *
* FOR PRICE INFORMATION SEE HELP COST   *
****

=> s l3
L10   0 L3

=> d his

      (FILE 'HOME' ENTERED AT 10:06:21 ON 14 APR 2004)

      FILE 'REGISTRY' ENTERED AT 10:06:27 ON 14 APR 2004
L1   STRUCTURE UPLOADED
L2   4 S L1
L3   81 S L1 FULL
L4   STRUCTURE UPLOADED
L5   0 S L4
L6   0 S L4 FULL

      FILE 'HCAPLUS' ENTERED AT 10:10:46 ON 14 APR 2004
L7   2 S L3
L8   2 S L3/PREP

      FILE 'CAOLD' ENTERED AT 10:13:54 ON 14 APR 2004
L9   0 S L3

```
        FILE 'BEILSTEIN' ENTERED AT 10:14:02 ON 14 APR 2004
L10           0 S L3

=> log y
```

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.68	336.56

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.39

```
STN INTERNATIONAL LOGOFF AT 10:14:19 ON 14 APR 2004
```